

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/001434

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. Cl. <sup>7</sup> : C12Q 1/68, According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIDS, MEDLINE, CAPLUS: assay, risk, predisposition, likelihood, prognosis, test, hmlh1, hmsh2, apc1a, apc1b, p16, cancer, disease, tumour, tumor, neoplasm, dna methylation, epigenetic mutation, epigenetic modification, epimutat?, frequency, number, quantit?, count.		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HOLST, C. R. et al (April 2003), "Methylation of <i>p16<sup>INK4</sup></i> promoters occurs <i>in vivo</i> in histologically normal human mammary epithelia" <i>Cancer Research</i> 63, 1596-1601. See entire document, particularly p1601, LH column final paragraph.	1, 4-8
X	NAKAYAMA, H. et al (2002) "Molecular detection of <i>p16</i> promoter methylation in the serum of colorectal cancer patients" <i>Cancer Letters</i> , 188, 115-119. See whole document	1-9
A	WO 2000/026401 A (The Johns Hopkins University School of Medicine) 11 May 2000	1-9
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 15 November 2004		Date of mailing of the international search report 18 NOV 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer PHILIPPA WYRDEMAN Telephone No : (02) 6283 2554

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KUISMANEN, S. A. et al (2000) "Genetic and epigenetic modification of <i>MLH1</i> accounts for a major share of microsatellite-unstable colorectal cancers" <i>American Journal of Pathology</i> , 156(5), 1773-1779.	

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001434

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member	
WO	2000/026401	EP	1127157	CA	2350085

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX